

STIC-Biotech/ChemLib

160234

From: Swope, Sheridan
Sent: Thursday, August 11, 2005 10:50 AM
To: STIC-Biotech/ChemLib
Subject: 10/726,967

I need a text search on the following sequence:

Glu-Ile-Asn-Leu-Glu-Thr-Asp (EINLETD)

Thank you,

Sheridan Swope, Ph.D.
Patent Examiner, AU 1656
Recombinant Enzymes
571-272-0943 (voice)
E02B71 Remsen Bld (Office)
E03C70 Remsen Bld (Mailbox)

Mary Halse

STIC-Biotech/ChemLib
E02B71
E03C70

STAFF USE ONLY

Searcher: _____
Searcher Phone: 2-_____
Date Searcher Picked up: _____
Date Completed: _____
Searcher Prep/Rev. Time: _____
Online Time: _____

Type of Search

NA#: _____ AA#: _____
Interference: _____ SPDI: _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure#: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other(Specify): _____

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Scan both sides of the page

Page 1

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

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STRUCTURE FILE UPDATES: 22 AUG 2005 HIGHEST RN 861291-85-2

DICTIONARY FILE UPDATES: 22 AUG 2005 HIGHEST RN 861291-85-2

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* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e einletd/sqep

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YFHFINSINF/SQEP
E2 1 EINLCLVRQA/SQEP
E3 1 --> EINLETD/SQEP
E4 1 EINLKQLRYMVSQQGELALRIDKNMEETVVYV'AAA'GVQ GKLL'AAA'SYNSDWAKGWL
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SQEP
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CKCGQAWGTMMVHKGLDLPC/SQEP
E9 1 EINLPGKW/SQEP

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Page 2

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E11 1 EINLPGKWKPK/SQEP
E12 1 EINLPGRWKPKMIGGIGGFIKVRQYDQILVEICGHKAIGTVLVGPTPANIIGRNLLTQIG
CTLNF/SQEP

=> s e3;d sqide can

1 EINLETD/SQEP
53888 SQL=7
L1 1 (EINLETD)/SQEP
(EINLETD/SQEP AND SQL=7)

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 720667-33-4 REGISTRY
CN L-Aspartic acid, L- α -glutamyl-L-isoleucyl-L-asparaginyL-L-leucyl-L-
 α -glutamyl-L-threonyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 39: PN: WO2004056962 SEQID: 57 claimed sequence
CN 44: PN: WO2005060384 SEQID: 19 claimed sequence
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
Not Given	WO2004056962
	claimed
	SEQID 57

SEQ 1 EINLETD
=====

HITS AT: 1-7

MF C34 H56 N8 O16

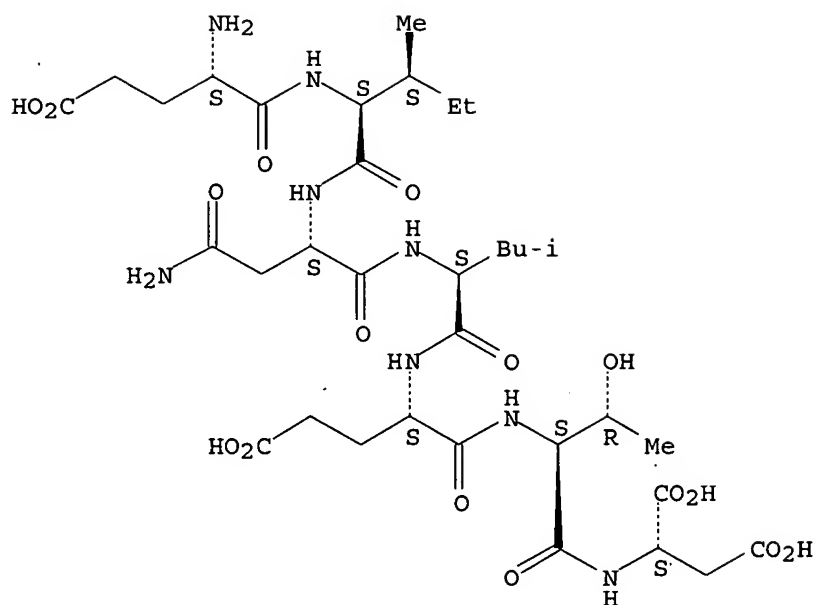
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PRP (Properties)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 143:92074

REFERENCE 2: 141:102226

=> fil medl,biosis,embase,caplus;s ll or glu(w)ile(w)asn(w)glu(w)thr(w)asp or
e(w)i(w)n(w)l(w)e(w)t(w)d or glutamic acid(w)isoleucine(w)aspartic
acid(w)leucine(w)glutamic acid(w)threonine(w)aspartic acid
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	16.24	16.66

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FILE 'BIOSIS' ENTERED AT 10:09:05 ON 24 AUG 2005

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L2 0 FILE MEDLINE
L3 0 FILE BIOSIS
L4 0 FILE EMBASE
L5 2 FILE CAPLUS

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TOTAL FOR ALL FILES

L6 2 L1 OR GLU(W) ILE(W) ASN(W) GLU(W) THR(W) ASP OR E(W) I(W) N(W) L(W) E(W) T
(W) D OR GLUTAMIC ACID(W) ISOLEUCINE(W) ASPARTIC ACID(W) LEUCINE(W) G
LUTAMIC ACID(W) THREONINE(W) ASPARTIC ACID

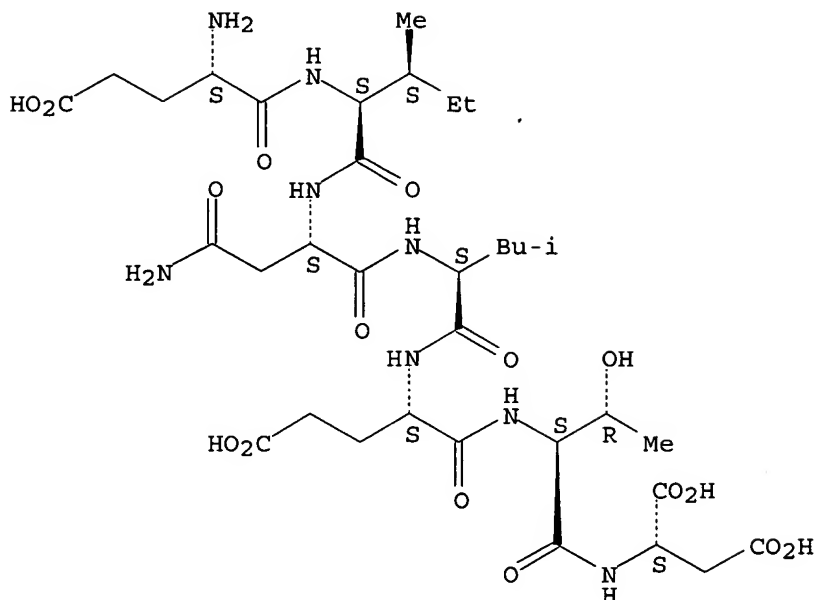
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L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2005:588488 CAPLUS
DOCUMENT NUMBER: 143:92074
TITLE: Modified pro- β -secretase/BACE-1 and production of
 β -secretase/BACE-1 with recombinant cells
INVENTOR(S): Ballinger, Marcus; Randal, Michael L.
PATENT ASSIGNEE(S): Sunesis Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 71 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005060384	A2	20050707	WO 2004-US21816	20040707
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2005074456	A1	20050407	US 2003-726967	20031202
PRIORITY APPLN. INFO.:			US 2003-726967	A 20031202
			US 2002-430984P	P 20021204
AB	The present invention is directed to engineered polypeptides having BACE activity. In certain embodiments, the polypeptides also comprise an engineered cleavage site. Also provided are polypeptides comprising a prodomain, an engineered cleavage site, and a protease domain. The polypeptides are properly folded and are cleaved at the engineered cleavage site in vitro, producing homogeneous prepns. of purified protease having BACE activity. The invention further pertains to nucleic acids, expression vectors, and host cells comprising the expression vectors for making the engineered polypeptides.			
IT	720667-33-4 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study) (pro- β -secretase autoproteolysis site; modified pro- β -secretase/BACE-1 and production of β -secretase/BACE-1 with recombinant cells)			
RN	720667-33-4 CAPLUS			
CN	L-Aspartic acid, L- α -glutamyl-L-isoleucyl-L-asparaginyl-L-leucyl-L- α -glutamyl-L-threonyl- (9CI) (CA INDEX NAME)			

SEQ 1 EINLETD

Absolute stereochemistry.



L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:546559 CAPLUS

DOCUMENT NUMBER: 141:102226

TITLE: Methods for engineering and purifying homogeneously processed β -secretase

INVENTOR(S): Ballinger, Marcus

PATENT ASSIGNEE(S): Sunesis Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 40 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056962	A2	20040708	WO 2003-US38314	20031202
WO 2004056962	C1	20050331		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2002-430984P P 20021204

OTHER SOURCE(S): MARPAT 141:102226

AB The present invention provides methods for engineering and purifying homogeneously processed β -secretase isoform A proteins. These polypeptides also comprise an engineered cleavage site. β Secretase comprises a prodomain, an engineered cleavage site, and a protease domain, and the polypeptides are properly folded and are cleaved at the engineered cleavage site in vitro, producing homogeneous preps. of purified protease having BACE activity. The invention further pertains to nucleic acids, expression vectors, and host cells comprising the expression vectors for making the engineered polypeptides.

IT 720667-33-4

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

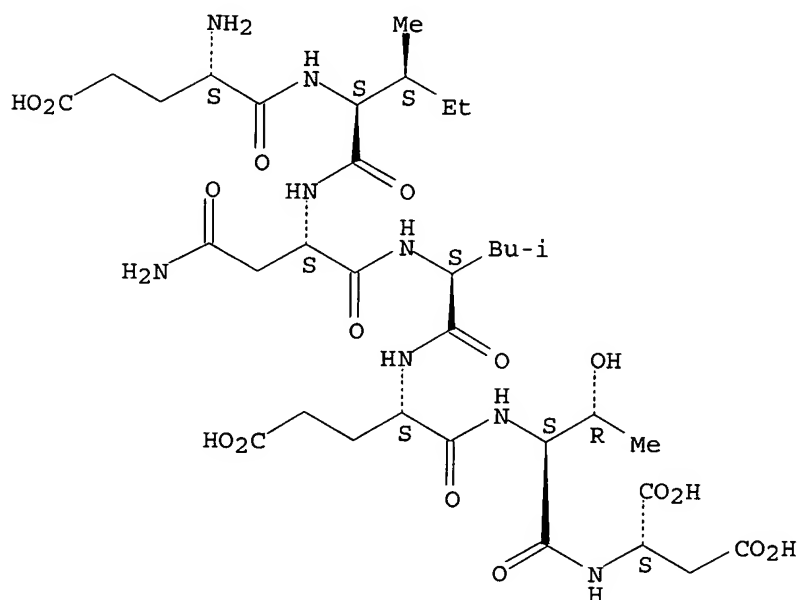
(β secretase autoproteolysis peptide site sequence; methods for engineering and purifying homogeneously processed β -secretase)

RN 720667-33-4 CAPLUS

CN L-Aspartic acid, L- α -glutamyl-L-isoleucyl-L-asparaginyl-L-leucyl-L- α -glutamyl-L-threonyl- (9CI) (CA INDEX NAME)

SEQ 1 EINLETD

Absolute stereochemistry.



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(FILE 'HOME' ENTERED AT 10:03:42 ON 24 AUG 2005)

FILE 'REGISTRY' ENTERED AT 10:04:41 ON 24 AUG 2005

E EINLETD/SQEP

L1 1 S E3

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 10:09:05 ON 24 AUG 2005


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L2          0 FILE MEDLINE
L3          0 FILE BIOSIS
L4          0 FILE EMBASE
L5          2 FILE CAPLUS
TOTAL FOR ALL FILES
L6          2 S L1 OR GLU(W) ILE(W) ASN(W) GLU(W) THR(W) ASP OR E(W) I(W) N(W) L(W) E(

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(FILE 'HOME' ENTERED AT 10:03:42 ON 24 AUG 2005)

FILE 'REGISTRY' ENTERED AT 10:04:41 ON 24 AUG 2005
E EINLETD/SQEP

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L1          1 S E3

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FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 10:09:05 ON 24 AUG 2005

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L2          0 FILE MEDLINE
L3          0 FILE BIOSIS
L4          0 FILE EMBASE
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TOTAL FOR ALL FILES
L6          2 S L1 OR GLU(W) ILE(W) ASN(W) GLU(W) THR(W) ASP OR E(W) I(W) N(W) L(W) E(

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FILE 'REGISTRY' ENTERED AT 10:04:41 ON 24 AUG 2005
E EINLETD/SQEP

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L1          1 SEA ABB=ON PLU=ON (EINLETD)/SQEP
          D SQIDE CAN

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FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 10:09:05 ON 24 AUG 2005

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          TIC ACID(W) LEUCINE(W) GLUTAMIC ACID(W) THREONINE(W) ASPARTIC ACID
L3          0 SEA ABB=ON PLU=ON L1 OR GLU(W) ILE(W) ASN(W) GLU(W) THR(W) ASP OR
          E(W) I(W) N(W) L(W) E(W) T(W) D OR GLUTAMIC ACID(W) ISOLEUCINE(W) ASPAR
          TIC ACID(W) LEUCINE(W) GLUTAMIC ACID(W) THREONINE(W) ASPARTIC ACID
L4          0 SEA ABB=ON PLU=ON L1 OR GLU(W) ILE(W) ASN(W) GLU(W) THR(W) ASP OR
          E(W) I(W) N(W) L(W) E(W) T(W) D OR GLUTAMIC ACID(W) ISOLEUCINE(W) ASPAR
          TIC ACID(W) LEUCINE(W) GLUTAMIC ACID(W) THREONINE(W) ASPARTIC ACID
L5          2 SEA ABB=ON PLU=ON L1 OR GLU(W) ILE(W) ASN(W) GLU(W) THR(W) ASP OR
          E(W) I(W) N(W) L(W) E(W) T(W) D OR GLUTAMIC ACID(W) ISOLEUCINE(W) ASPAR
          TIC ACID(W) LEUCINE(W) GLUTAMIC ACID(W) THREONINE(W) ASPARTIC ACID
TOTAL FOR ALL FILES
L6          2 SEA ABB=ON PLU=ON L1 OR GLU(W) ILE(W) ASN(W) GLU(W) THR(W) ASP OR
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          TIC ACID(W) LEUCINE(W) GLUTAMIC ACID(W) THREONINE(W) ASPARTIC ACID
          D 1-2 IBIB ABS HITSEQ

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FILE HOME

FILE REGISTRY

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DICTIONARY FILE UPDATES: 22 AUG 2005 HIGHEST RN 861291-85-2

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

FILE MEDLINE

FILE LAST UPDATED: 23 AUG 2005 (20050823/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP
RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the
MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 17 August 2005 (20050817/ED)

FILE RELOADED: 19 October 2003.

FILE EMBASE

FILE COVERS 1974 TO 18 Aug 2005 (20050818/ED)

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This file contains CAS Registry Numbers for easy and accurate
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FILE CAPLUS

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FILE COVERS 1907 - 24 Aug 2005 VOL 143 ISS 9
FILE LAST UPDATED: 23 Aug 2005 (20050823/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> del his y

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	67.36	84.02
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.46	-1.46

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Structure search iteration limits have been increased. See HELP SLIMITS

Prepared by: Mary Hale @2-2507 Rem Bldg 1D86

for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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ENTRY	SESSION
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CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 10:12:17 ON 24 AUG 2005